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Li Parks  
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Attorney Docket No. 71715 letter

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Fries, et al.

Serial No.: 09/976,776

Filed: October 12, 2001

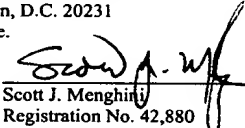
For: **FLUID FLOW PATH FOR A  
FLUID TREATMENT SYSTEM  
USING LIGHT FOR THE  
DECONTAMINATION OF FLUID  
PRODUCTS**

Group Art  
Unit: 3762

Examiner: TBD

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) Washington, D.C. 20231  
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) 01/31/02  
) Date

)   
) Scott J. Menghini  
) Registration No. 42,880  
) Attorney for Applicant(s)

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**PETITION UNDER 37 C.F.R. § 1.182  
REQUESTING ENTRY OF DRAWINGS IN A  
PATENT APPLICATION PUBLICATION**

BOX PGPUB DRAWINGS  
Assistant Commissioner for Patents  
Washington, D.C. 20231


Dear Sir:

Applicant hereby petitions and requests that the enclosed formal drawings be entered and included in the patent application publication for the above-identified patent application.

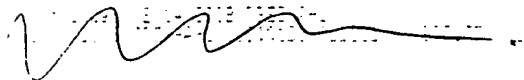
The Commissioner is hereby authorized to charge the Petition Fee of \$130.00 as set forth in 37 C.F.R. § 1.17(h) as provided in the attached Fee Transmittal Form.

2-19-2002 TFEBAH-1 00000131 051135 09976776  
1 71438 130.00 \$

Respectfully submitted,

  
Scott J. Menghini  
Reg. No. 42,880  
January 31, 2002

Address all correspondence to:  
Scott J. Menghini  
FITCH, EVEN, TABIN & FLANNERY  
Suite 1600  
120 S. La Salle Street  
Chicago, IL 60603  
(858) 552-1311



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PTO/SB/21 (08-00)

Approval for use through 10/31/2002. OMB 0651-0031  
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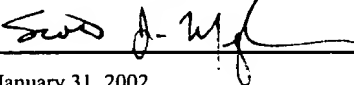
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	<b>Application Number</b>	09/976,776	
	<b>Filing Date</b>	Oct 12, 2001	
	<b>First Named Inventor</b>	Fries, William M.	
	<b>Group Art Unit</b>	3762	
	<b>Examiner Name</b>	TBD	
<b>Total Number of Pages in This Submission</b>	24	<b>Attorney Docket Number</b>	71715

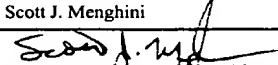
**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input checked="" type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>Duplicate of Fee Transmittal Form</b>
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

<b>Individual name</b>	Scott J. Menghini, Reg. No. 42,880
<b>Signature</b>	
<b>Date</b>	January 31, 2002

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Box PGPUB Drawings, Assistant Commissioner for Patents, Washington, D.C. 20231, on this date: <span style="border: 1px solid black; padding: 2px;">January 31, 2002</span>			
<b>Typed or printed name</b>	Scott J. Menghini	<b>Date</b>	January 31, 2002
<b>Signature</b>		<b>Date</b>	January 31, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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U.S. Patent and Trademark office: U.S. DEPARTMENT OF COMMERCE

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<b>FEE TRANSMITTAL</b>		<b>Complete if Known</b>	
<b>for FY 2002</b>		Application Number	09/976,776
Patent fees are subject to annual revision.		Filing Date	10/12/2001
		First Named Inventor	Fries, William M.
		Examiner Name	TBD
		Group Art Unit	3762
		Attorney Docket No.	71715
TOTAL AMOUNT OF PAYMENT (\$)		130.00	

<b>METHOD OF PAYMENT</b>		<b>FEE CALCULATION (continued)</b>																																																																																																																																																																																											
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:</p> <p>Deposit Account Number: 06-1135</p> <p>Deposit Account Name: Fitch, Even, Tabin &amp; Flannery</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input type="checkbox"/> Payment Enclosed:</p> <p><input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>		<p>3. <b>ADDITIONAL FEES</b></p> <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - 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<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>	
Name (Print/Type)	Scott J. Menghini	Registration No. (Attorney/Agent)	42,880
Signature		Telephone	858-552-1311
		Date	January 31, 2002

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Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

Application No. 09/976,776 Attorney Docket No. 71715

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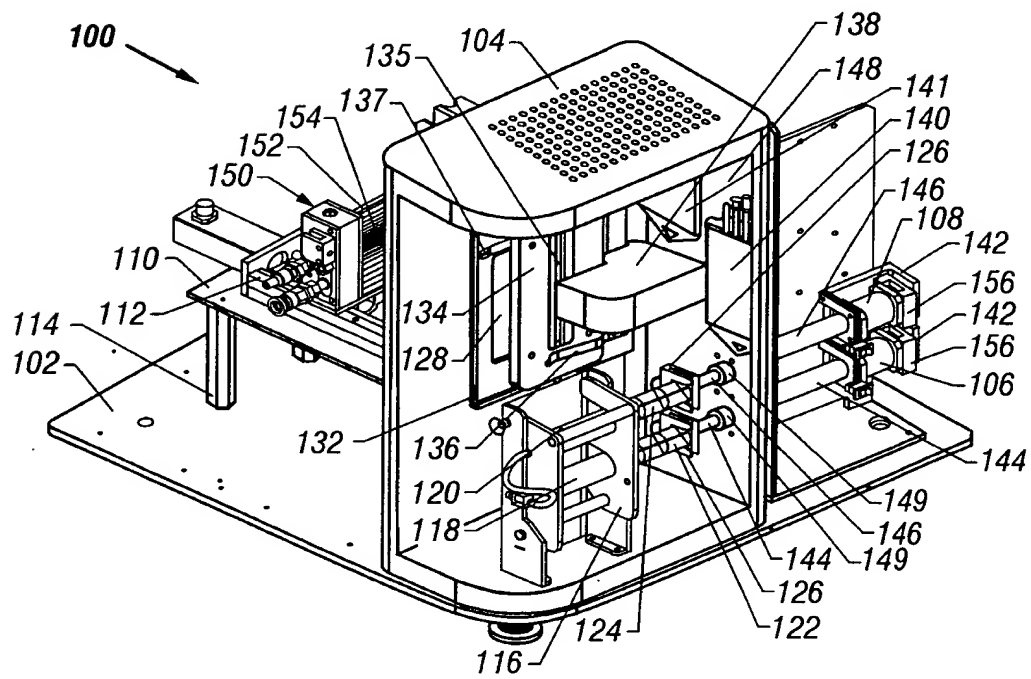


FIG. 1

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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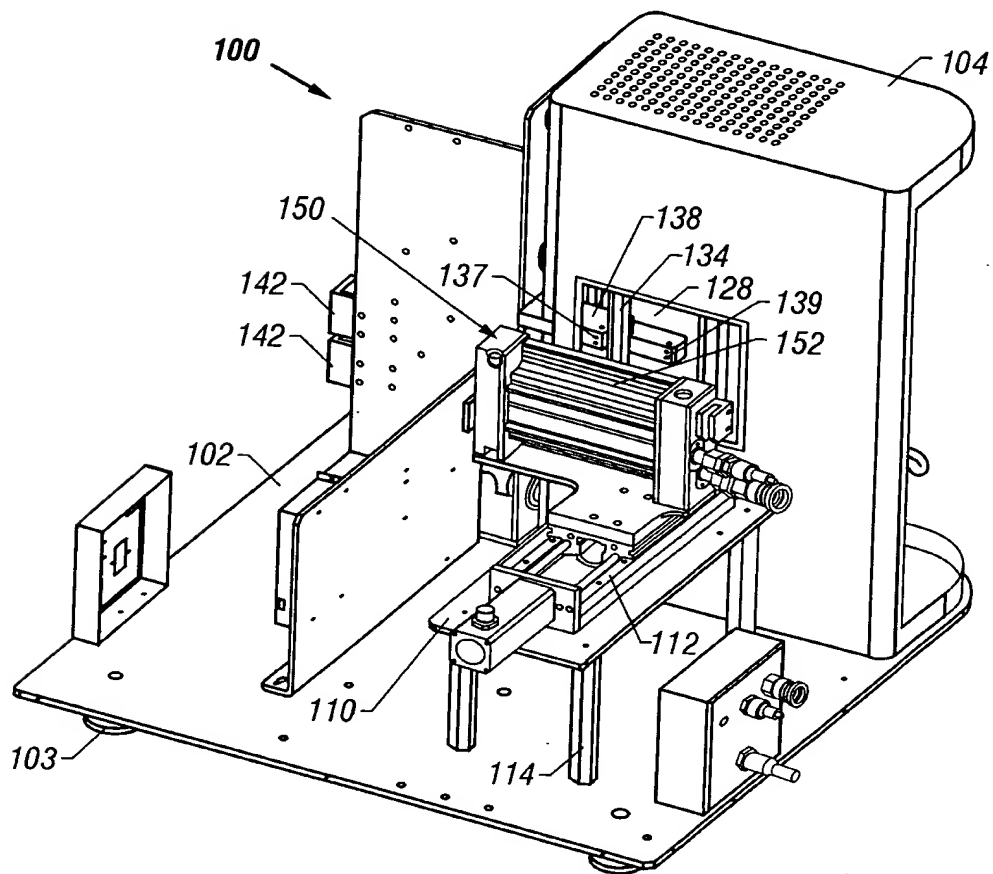


FIG. 2

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

Application No. 09/976,776 Attorney Docket No. 71715

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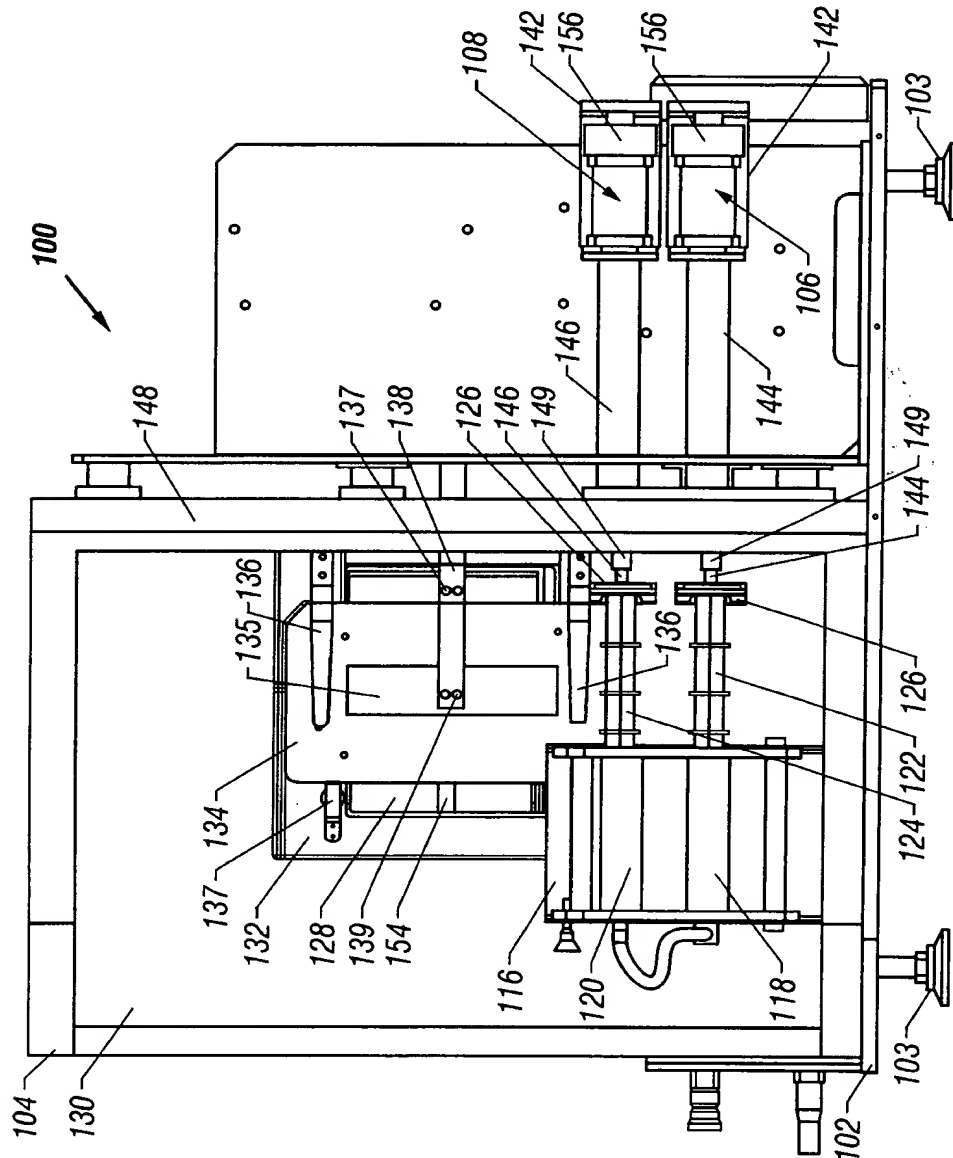


FIG. 3

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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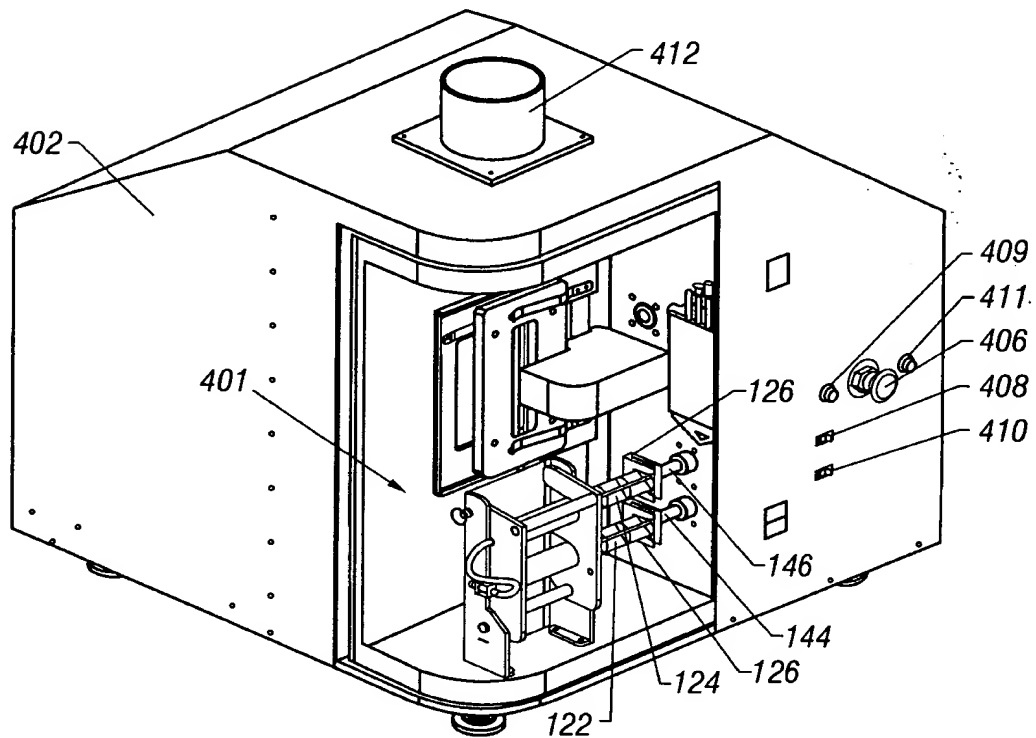


FIG. 4

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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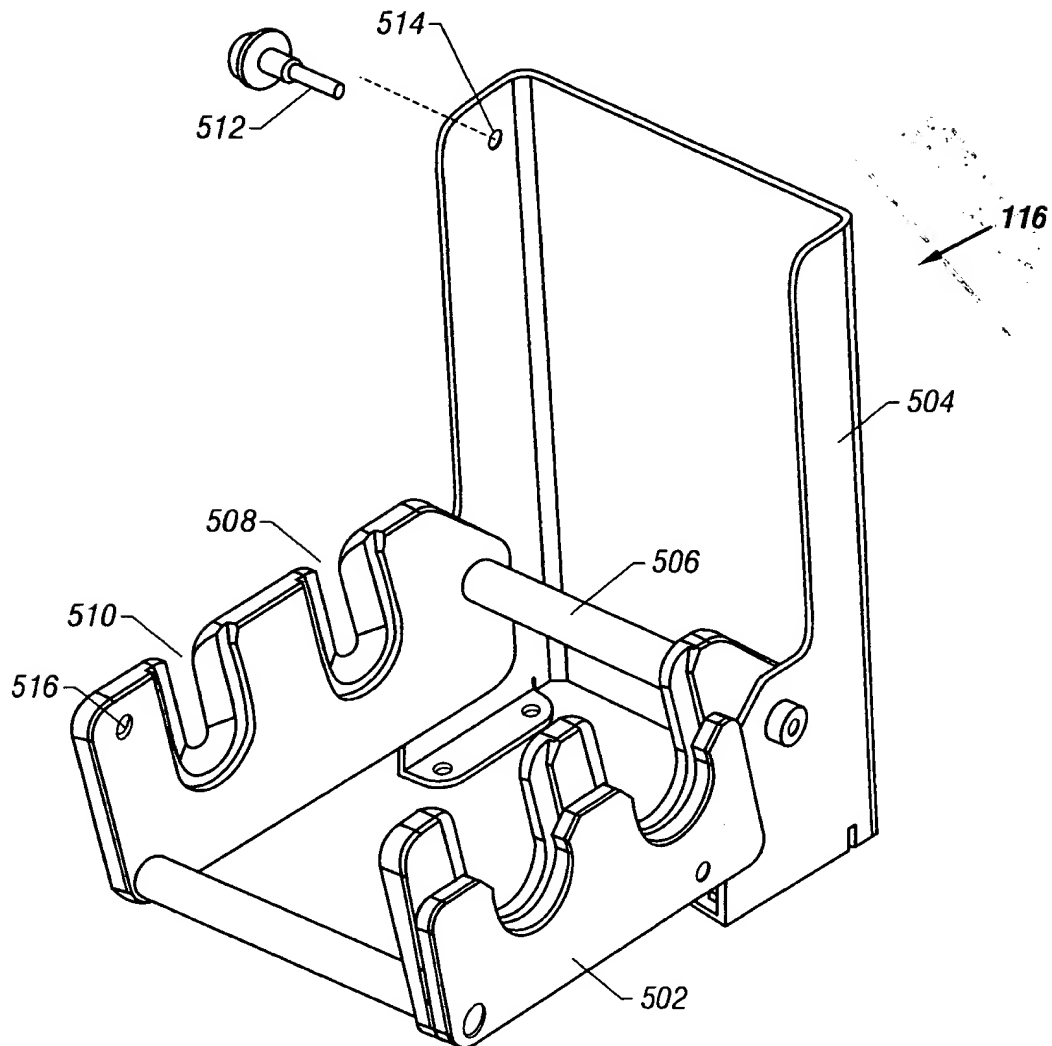
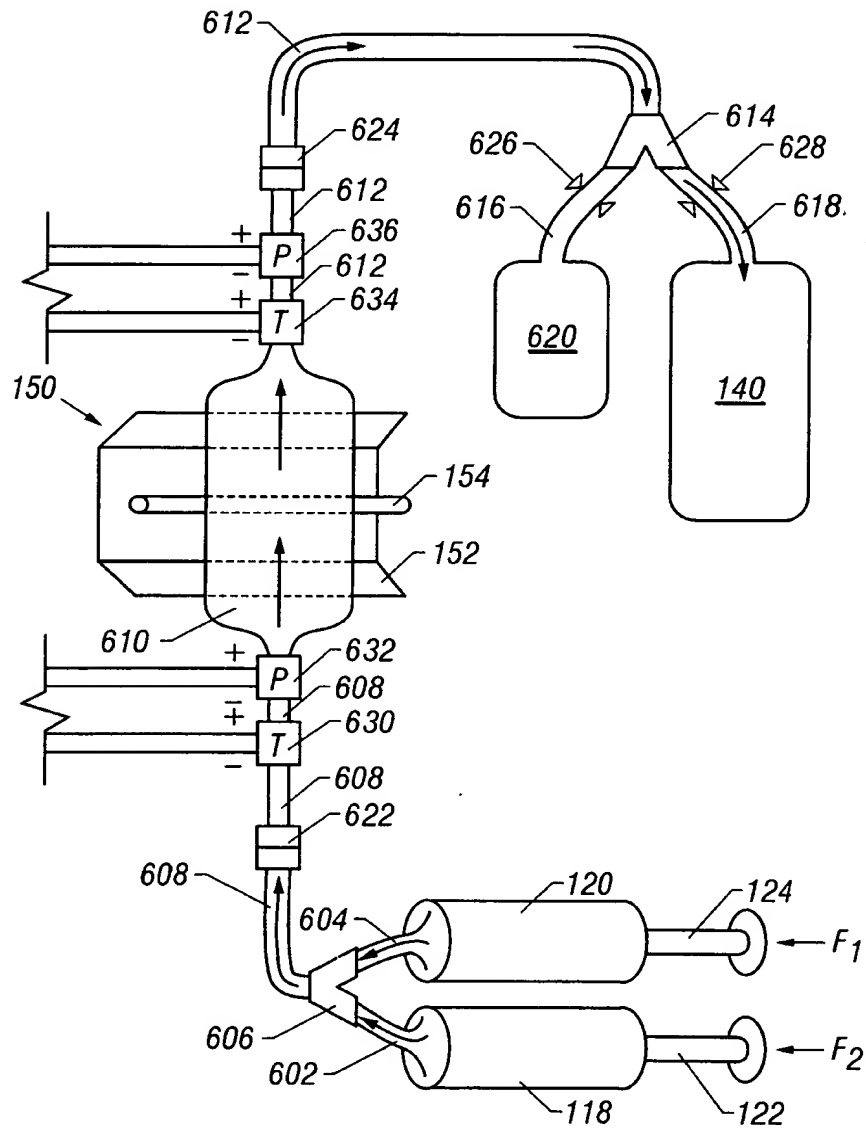


FIG. 5



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**FIG. 6**

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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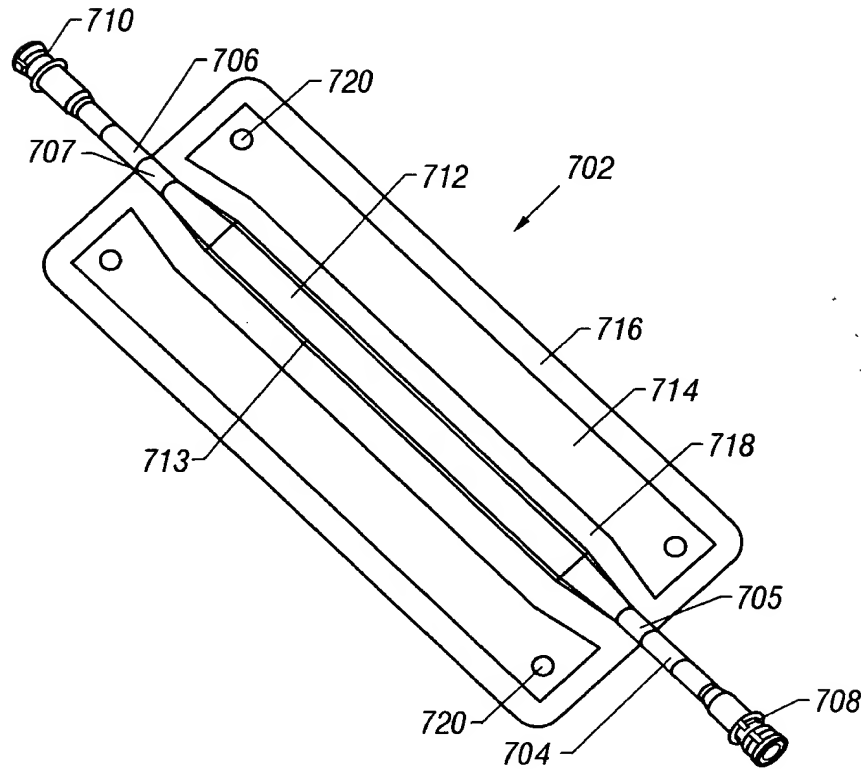


FIG. 7A

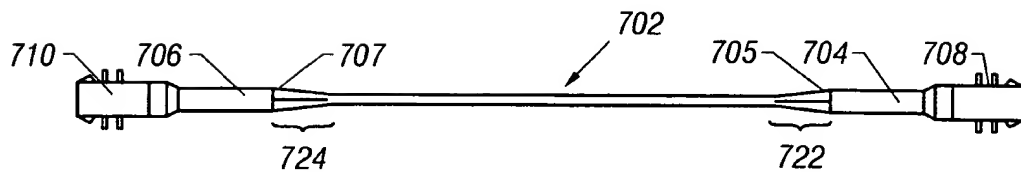


FIG. 7B

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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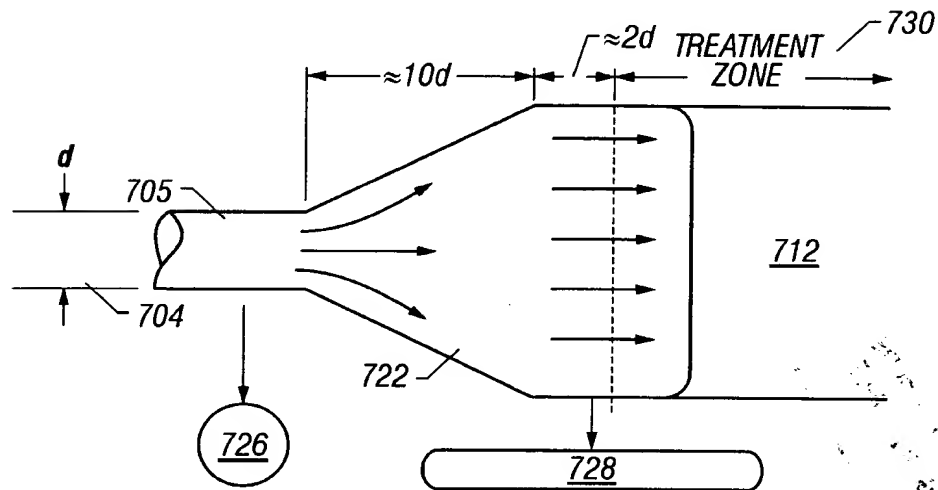


FIG. 7C

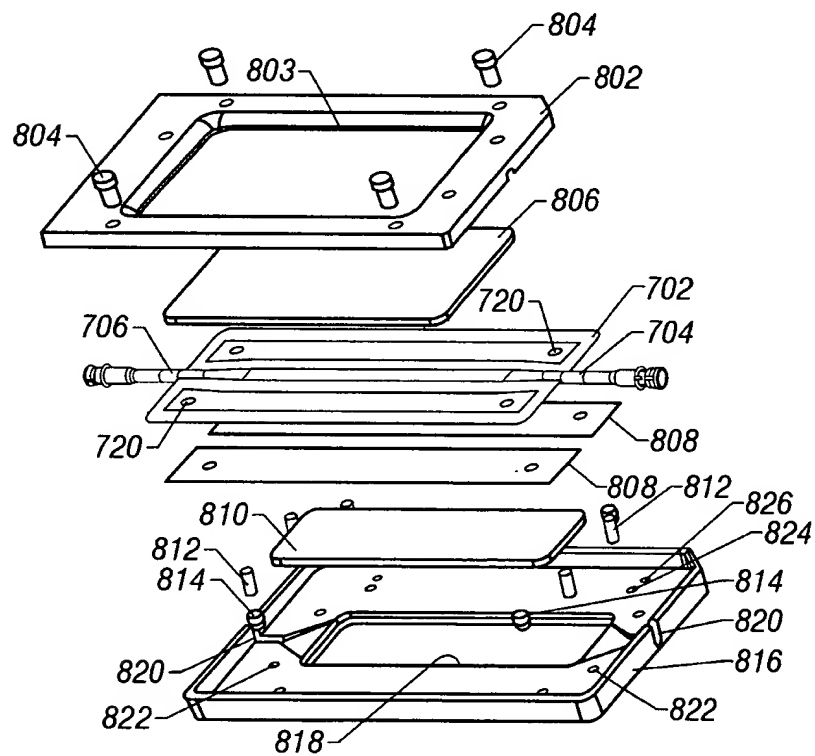


FIG. 8

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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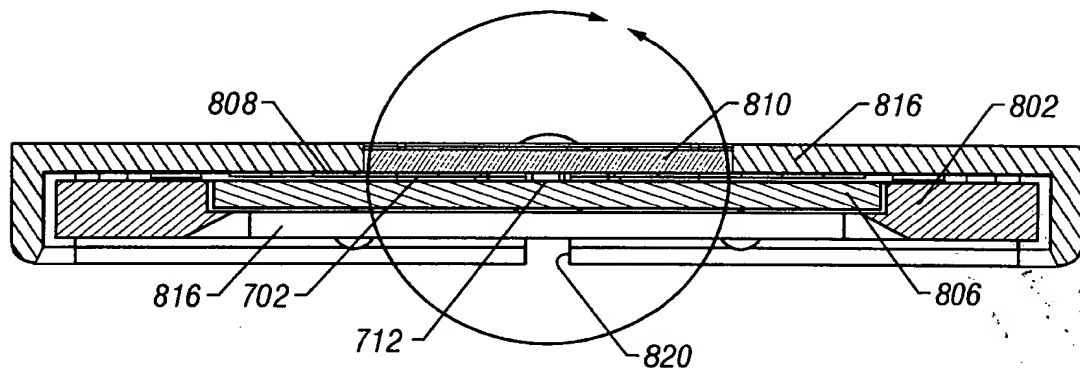


FIG. 9A

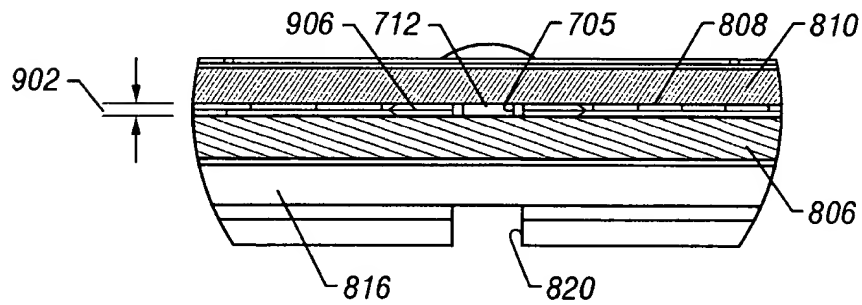


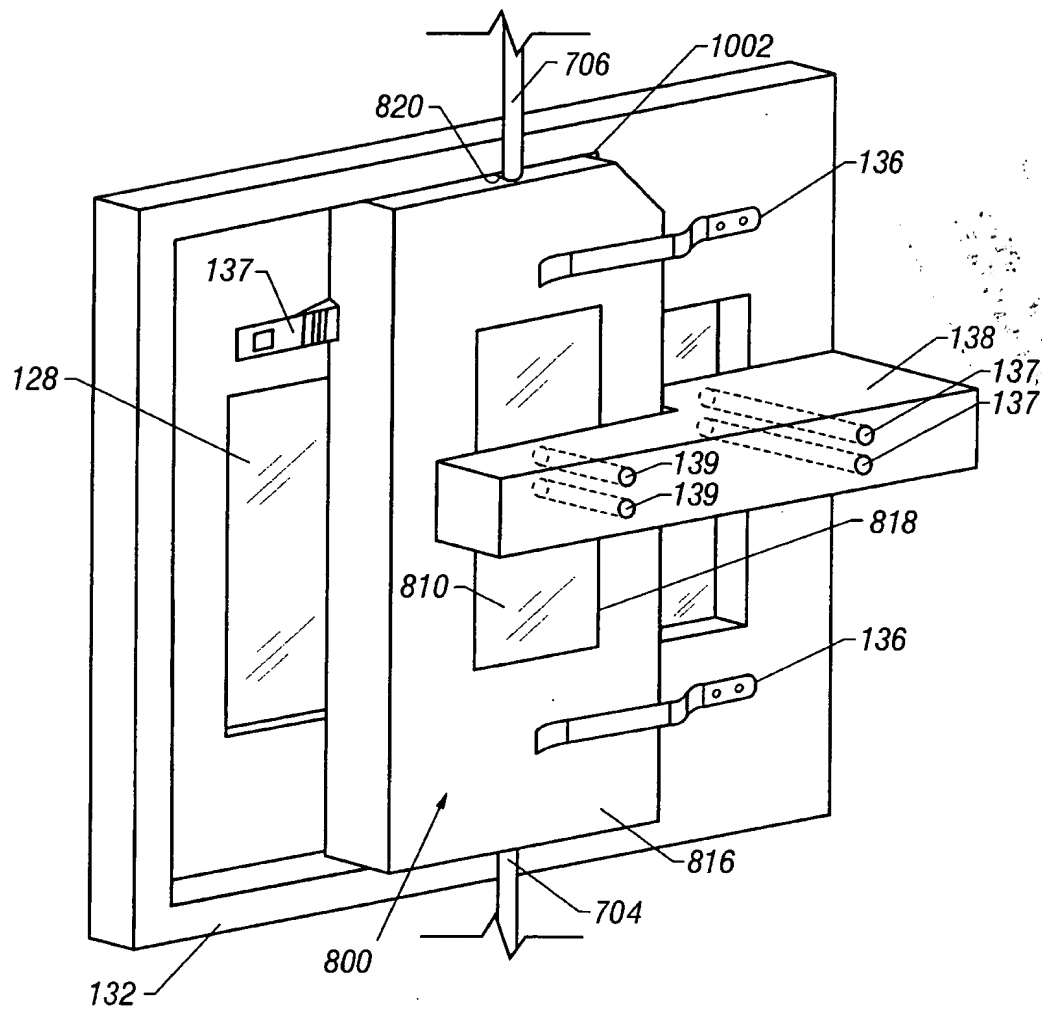
FIG. 9B

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**FIG. 10**

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[illegible]

**FIG. 11**

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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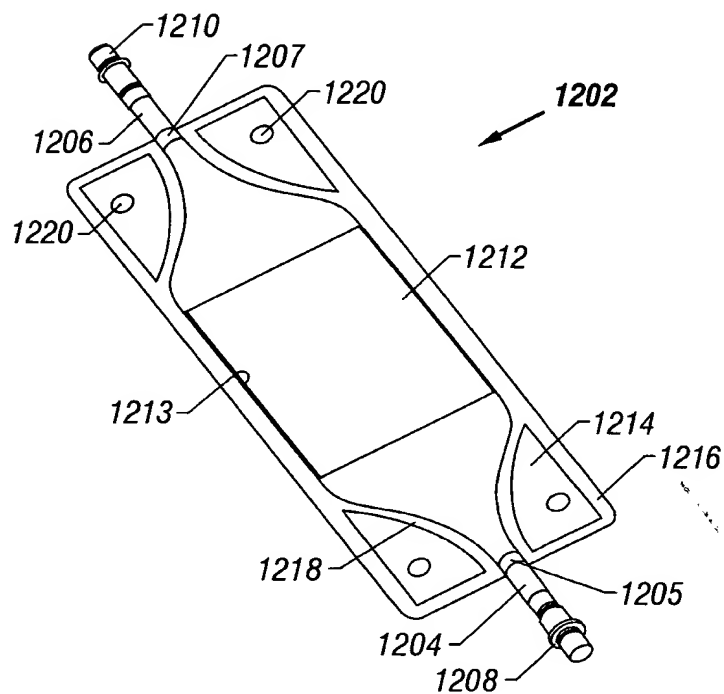


FIG. 12

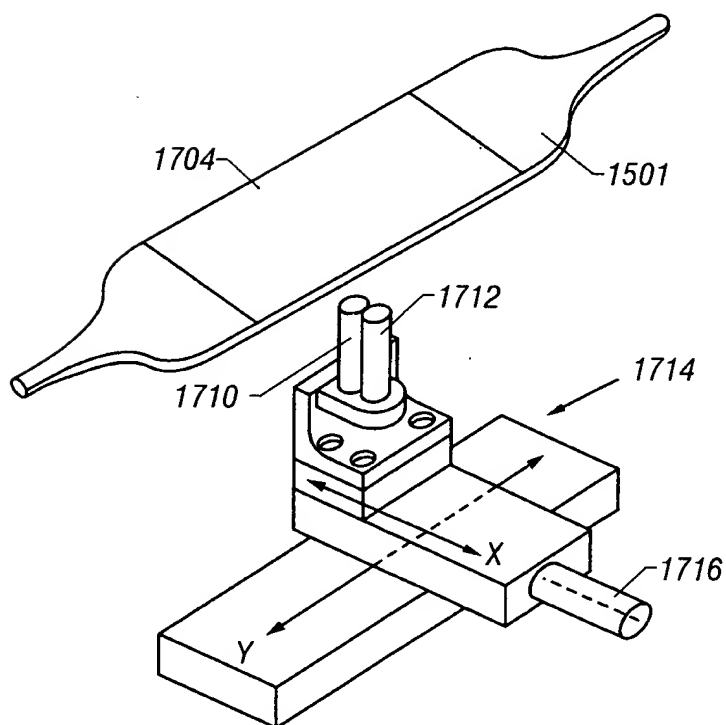


FIG. 17B

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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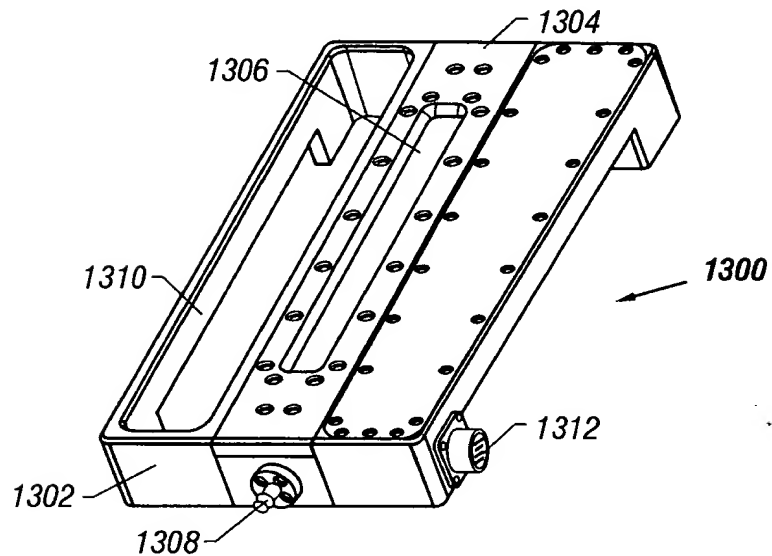


FIG. 13

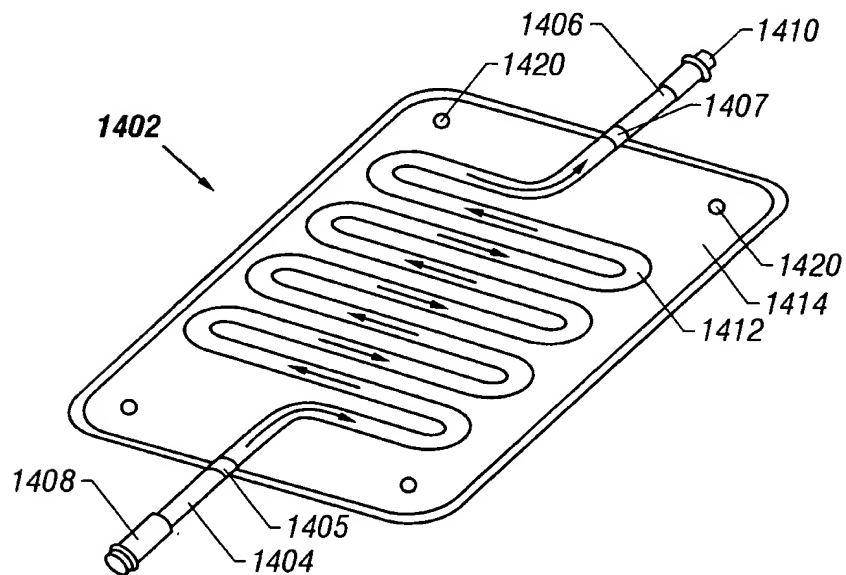


FIG. 14



Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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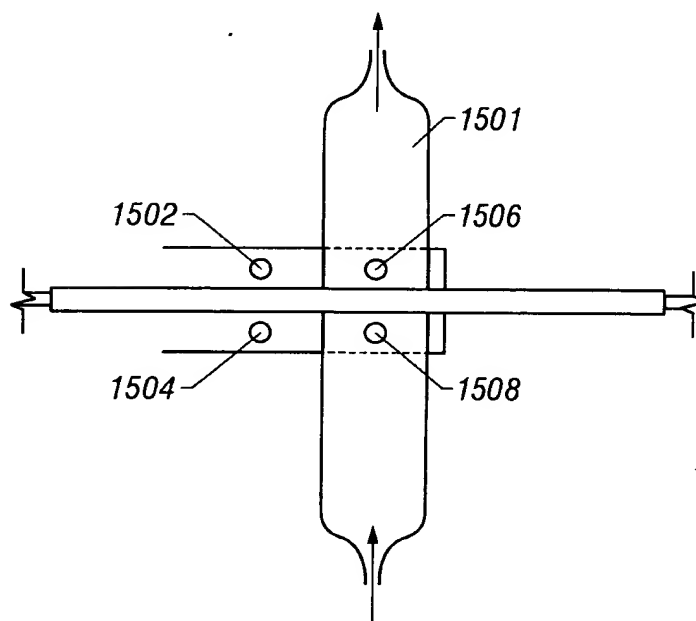


FIG. 15A

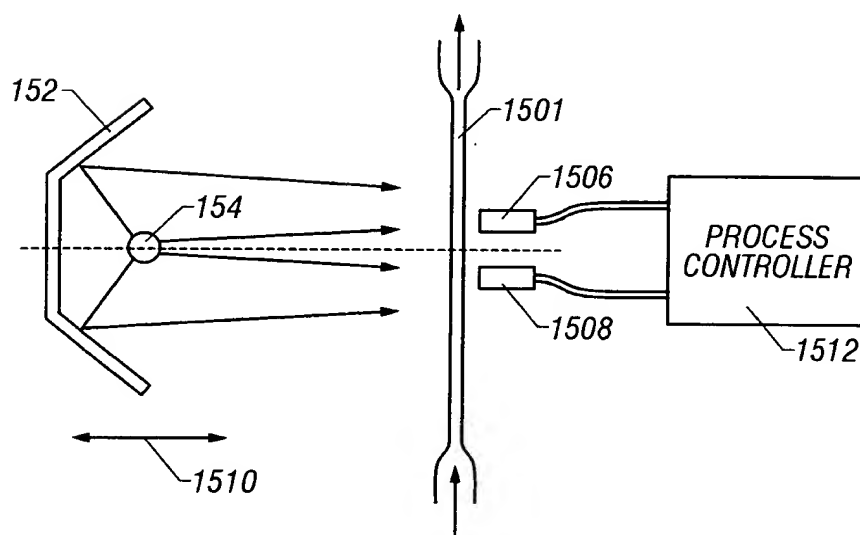


FIG. 15B

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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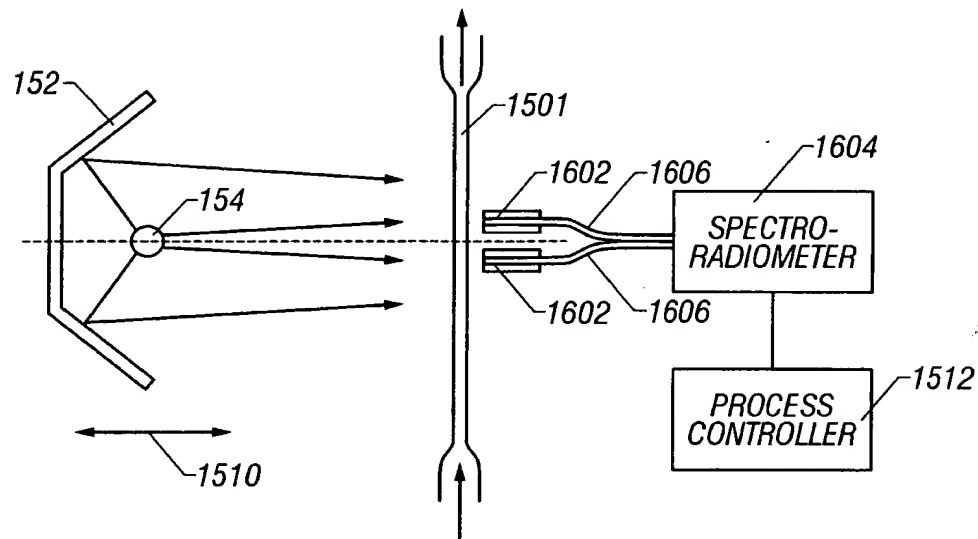


FIG. 16

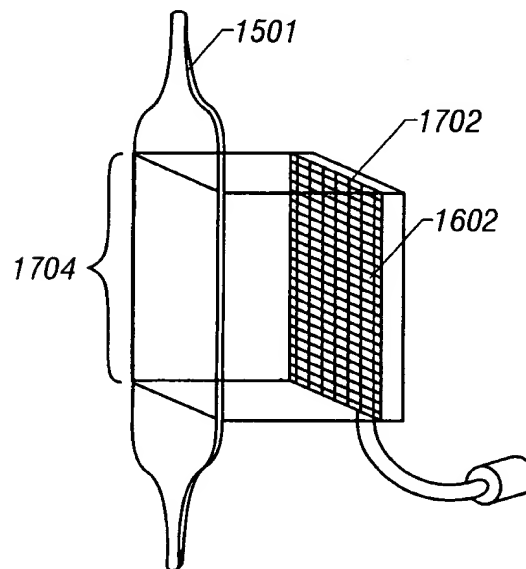


FIG. 17A

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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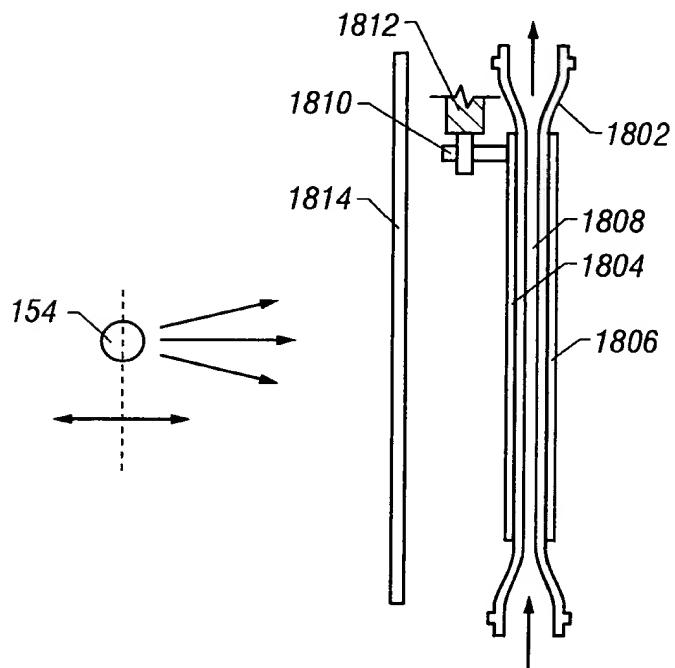


FIG. 18

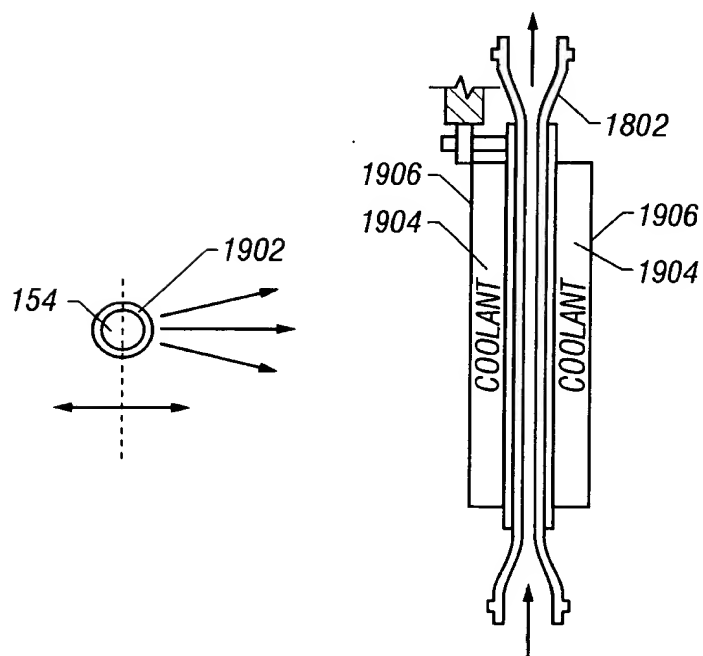


FIG. 19

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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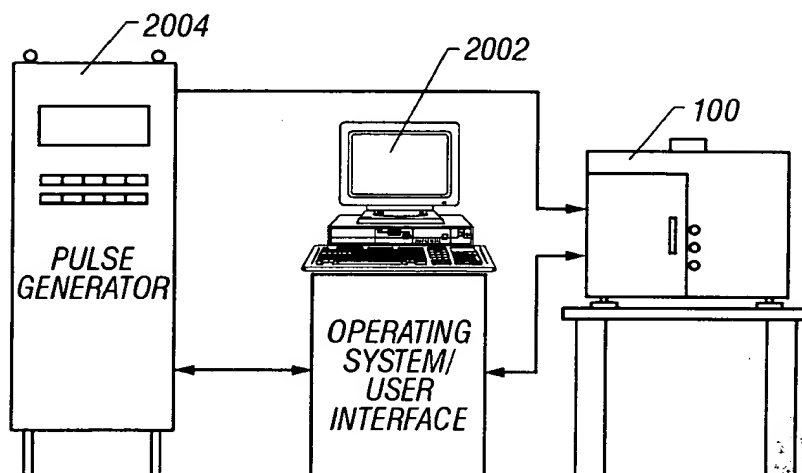


FIG. 20A

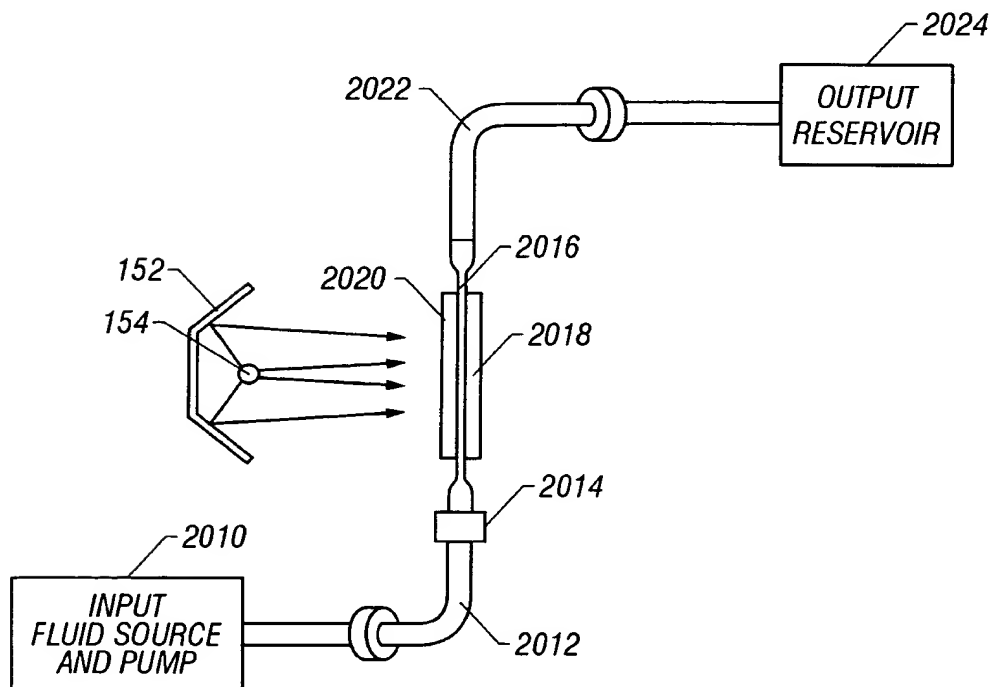


FIG. 20B

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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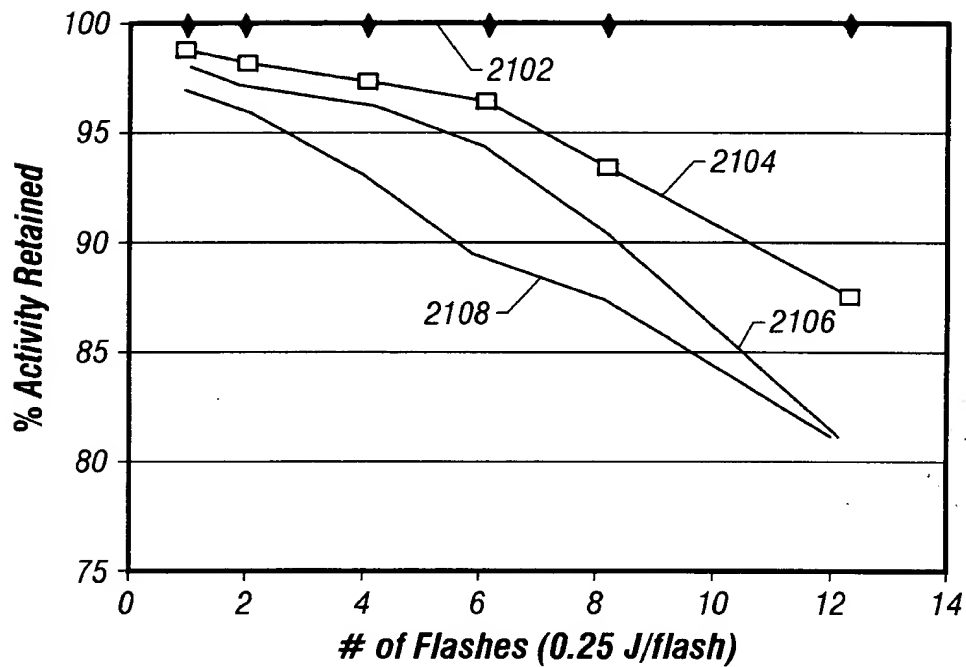


FIG. 21

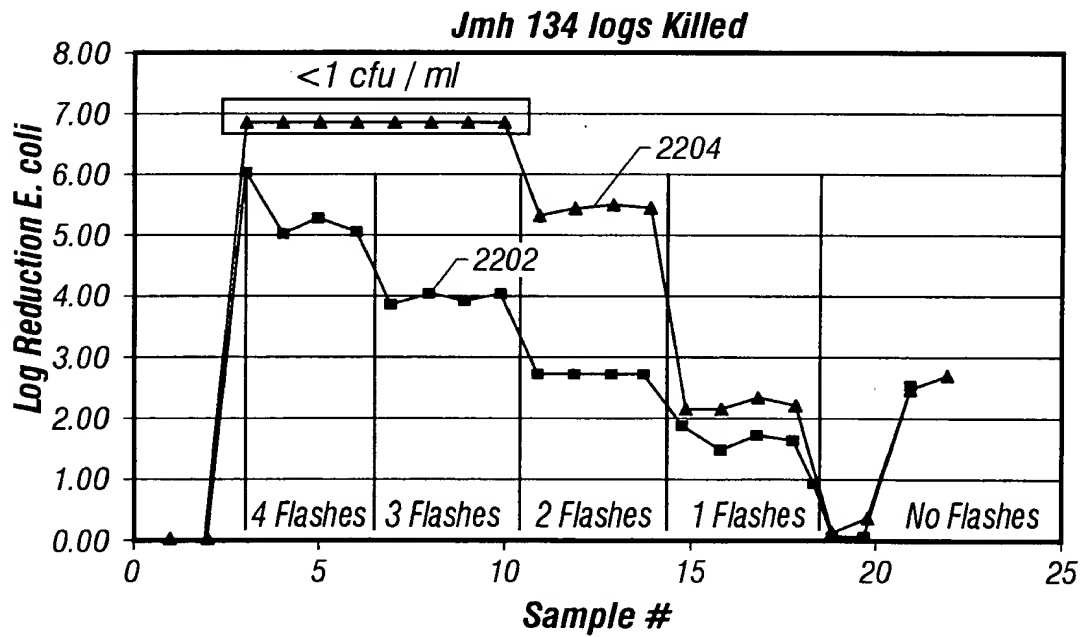


FIG. 22

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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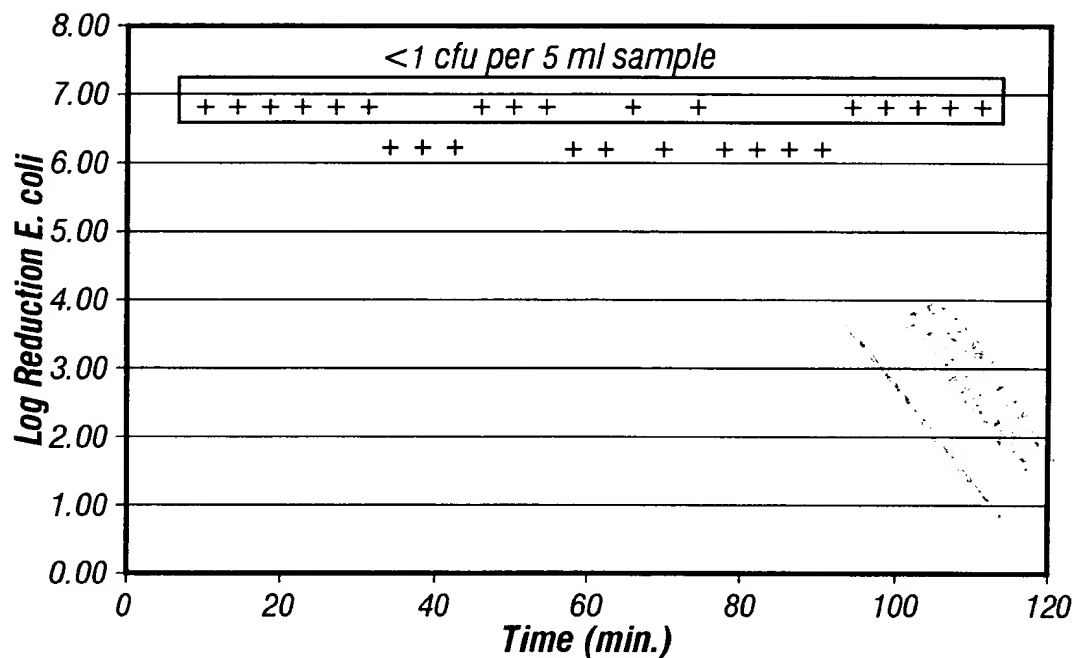


FIG. 23

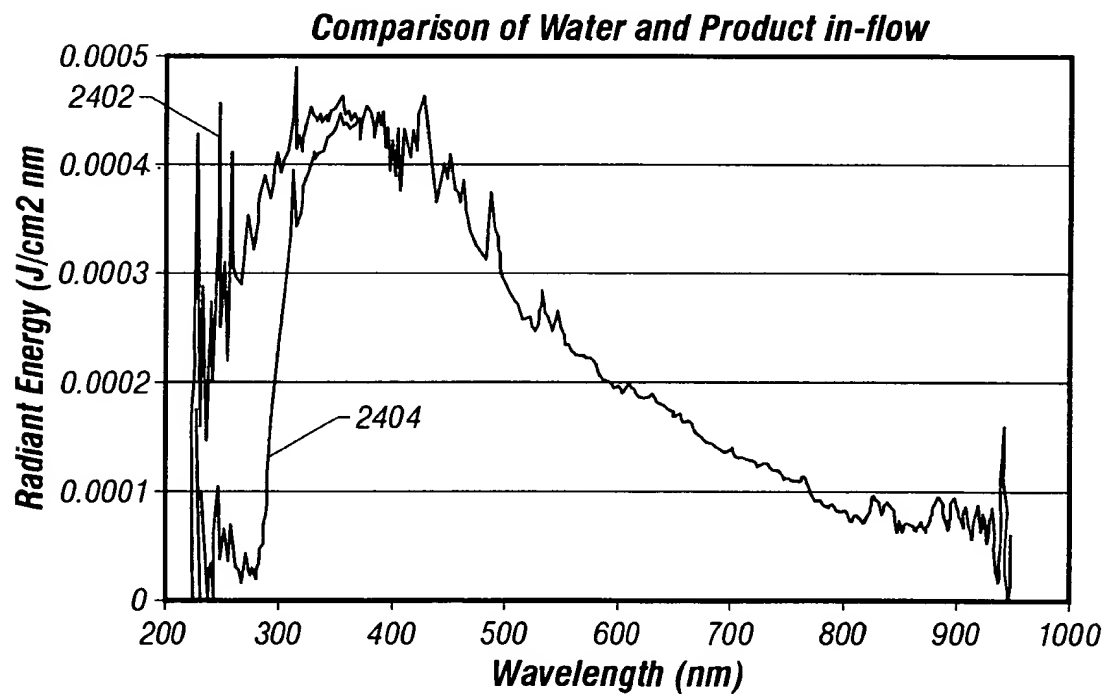


FIG. 24

Title: FLUID FLOW PATH FOR A FLUID TREATMENT SYSTEM USING LIGHT  
FOR THE DECONTAMINATION OF FLUID PRODUCTS

Inventor: Fries, et al.

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**Beta-GAL Protein Recovery in Water**

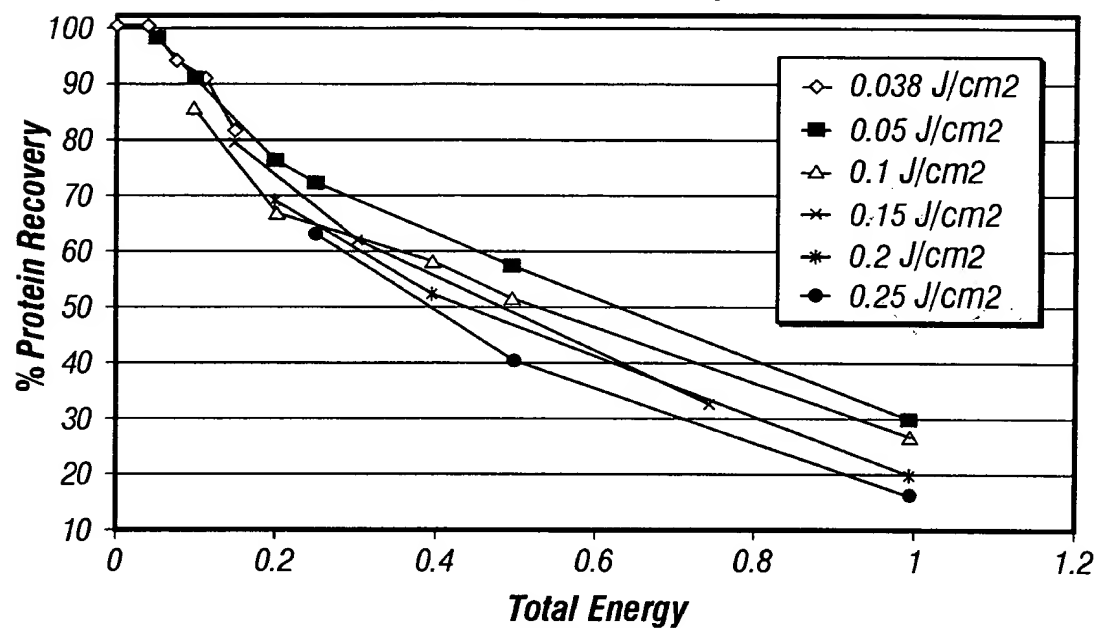


FIG. 25

**Beta GAL BSPL Alone in 5mg/ml BSA**

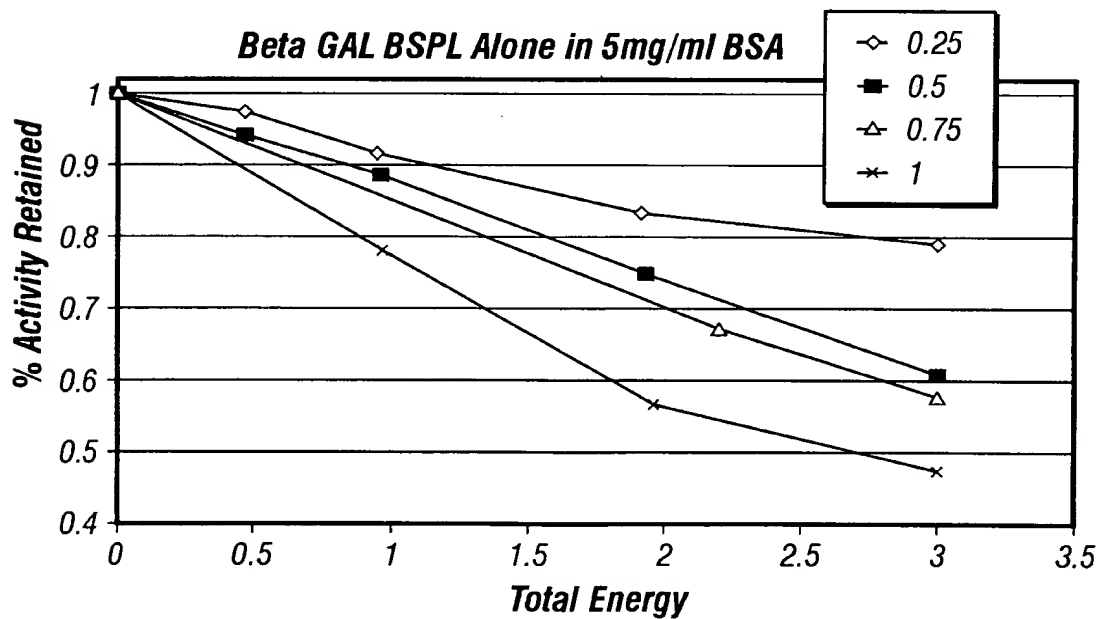


FIG. 26